

#### REMARKS

Claims 9 and 18 have been canceled. Claims 3, 11, and 22-26 have been amended. Support for amendments may be found on pages 11-14 of the specification. No new matter has been added. Reexamination and reconsideration of the application are respectfully requested.

#### DRAWINGS

The drawings are objected to under 37 C.F.R. 1.83(a). In particular, the Action notes that the drawings should show every feature of the invention specified by the claims. In particular, the Action states that the system implemented in a scanner application, an optical mouse application, a video game controller application, a movement encoder application, a near field application and a far field application must be shown in the drawings or the features canceled from the claims.

Claims 9 and 18 have been canceled. However, it is respectfully submitted that the general architecture, design, and operation of the above-noted applications recited in these claims are well-known to those of ordinary skill in the art and described in the prior art. In this regard, details about these applications need not be illustrated in the drawings in the current application. Moreover, these specific applications are set forth in the specification, thereby providing support for the same in the claims. Consequently, re-consideration and withdrawal of the objection to the drawings is respectfully requested.

REJECTION OF CLAIMS UNDER 35 U.S.C. 112

Claims 3, 5-9, 11, 14-18 and 22-26 are rejected under 35 U.S.C. 112, first paragraph for the reasons set forth on pages 2-3 of the Action. Specifically, claims 3, 5-9, 11, 14-18 and 22-26 are rejected under 35 U.S.C. 112, first paragraph as failing to comply with the written disclosure requirement. In response, claims 22-26 have been amended to address the points raised on pages 2-3 of the Action. No new matter has been added. For example, claims 25 and 26 have been amended to clarify that the sequential readout circuit measures the light signal from a photocell, measures the reset signal from a photocell, and stores a charge that represents the difference between the light signal and the reset signal.

Claims 3, 5-9, 11, 14-18 and 22-26 are rejected under 35 U.S.C. 112, first paragraph for the reasons set forth on pages 3-4 of the Action. Specifically, claims 3, 5-9, 11, 14-18 and 22-26 are rejected under 35 U.S.C. 112, first paragraph as failing to comply with the enablement requirement. In response, claims 22-26 have been amended to address the points raised on pages 3-4 of the Action. No new matter has been added. For example, claims 25 and 26 have been amended to clarify that the sequential readout circuit measures the light signal from a photocell, measures the reset signal from a photocell, and stores a charge that represents the difference between the light signal and the reset signal.

Claims 3, 9, 11, 18 and 22 are rejected under 35 U.S.C. 112, second paragraph for the reasons set forth on pages 4-5 of the Action. Specifically, claims 3, 9, 11, 18 and 22 are rejected as being indefinite for failing to particularly point out and distinctly

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claim the subject matter that applicant regards as the invention. In response, claims 3, 11, and 22 have been amended to correct any antecedent basis issues.

In view of the foregoing, it is respectfully requested that the rejection of the claims under 35 U.S.C. 112, first paragraph and second paragraph be withdrawn.

Conclusion

For all the reasons advanced above, it is respectfully submitted that the application is in condition for allowance. Reexamination and reconsideration of the pending claims are requested, and allowance is earnestly solicited at an early date. The Examiner is invited to telephone the undersigned if the Examiner has any suggestions, thoughts or comments, which might expedite the prosecution of this case.

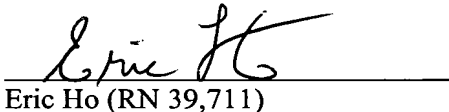
Respectfully submitted,



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Eric Ho (RN 39,711)

Nov. 13, 2004  
(Date)